Soc Virnyl Estela

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When an old laptop of mine slowed down in 2020, I decided to install Debian on it. That's when my passion for tech all began. In 2022, I started working as a college instructor. I love teaching, I still do, but my passion is somewhere else. However, I didn't believe at first that it is possible for me to work in this career path. Surprise! Surprise! I got my first ever work in the tech industry as a technical writer. Now, with several projects and with the experience I have writing tutorials for different frameworks and technologies as a technical writer, I'm making a full-time switch to backend development.

Technical Skills

- **Programming Languages**: Bash (for shell scripting and automation), Python, Rust, Golang, Typescript/Javascript (for web development with NodeJS and Deno), Julia (for data analyses), HTML/CSS, Typst (similar to LaTeX; used for writing personal documents such as this CV)
- **Web Development**: NodeJS, Deno, Yarn, React, Redux Toolkit, Preact, Hono, Oak, ExpressJS, ViteJS, NextJS
- **Tools**: Docker, AWS, pm2, Git, Github, Github Actions, Woodpecker CI, Trello, VSCode, Vim/Neovim, Kakoune (main code editor), Linux package managers (Zypper, Pacman, DNF, Apt), Distrobox (CLI frontend for podman and docker), Linux (Ubuntu, openSUSE, Fedora)

Professional and Work Experience

Software Developer Block Liquidity — 📍 United Kingdom — 🔗 https://blockliquidity.xyz

📅 October 2025 - January 2026
- Built multiple services and modules to process **1000+ data streams per second** for a notification system.
- **Sped up slow SQL queries from minutes down to milliseconds** for a Postgres database by using native types and best practices.
- Built an API in Rust using axum and deadpool to manage alerts, increasing and simplifying the overall process with **80% increase in response times due to faster data (de)serialisation**.

Technical Content Developer TRIBE — 📍 Singapore — 🔗 https://tribex.co

📅 Mar 2024 - June 2025
Boosted number of learners, from **300 to 1000+** on the **StackUp platform** through tutorials on key technologies (**React**, **Node.js**, **Rust**, **Deno**), and as a mentor and community member.
- Rust Pathway: a series of **Rust** tutorials and campaigns
- Fuel Up Your API Development with **Hono** and **Deno**: a introductory tutorial for backend development and authentication using **Hono** and **Deno**.
- The Deno Learning Modules: A series of tutorials using **Deno** as the Javascript runtime for web development.
- Learn authentication and authorisation with ExpressJS: a introductory tutorial for backend development using **Node.js** and **ExpressJS**.
- StackUp Forums: a microblogging project using blockchain to store posts and comments with **Solidity**, **React**, **viem**, **wagmi**, **foundry**, and **Typescript**.

Organization Admin/Member Waycrate — 🔗 https://waycrate.github.io

📅 2022 - present
A community of open-source enthusiasts and contributors.
- **Became a Mentor Organization for Google Summer of Code**: **Google Summer of Code 2024** and **Google Summer of Code 2025**
- **Inspired** new developers to **participate** and **contribute** to **open-source**.

Member and Volunteer 🦎 openSUSE — 🔗 https://opensuse.org

📅 2021 - present
A **Linux community** of desktop users, developers and open-source contributors.
- **Software Packager** of **100+ software packages** for the openSUSE project: https://build.opensuse.org/users/uncomfyhalomacro.
- **Software Developer** of openSUSE's Rust packaging tool for openSUSE Build Service called OBS Service Cargo.

Core Developer/Maintainer OBS Service Cargo — ⌕ https://github.com/openSUSE-Rust/obs-service-cargo

📅 2022 - present
Automation tool for **Rust software packaging** written in **Rust** with **100% test coverage**.
- The **ONLY tool** for https://build.opensuse.org to **automate packaging** of **Rust** software in openSUSE.

Core Developer/Maintainer Roast — ⌕ https://github.com/openSUSE-Rust/roast

📅 2024 - present
Archiving tool written in **Rust** using test-driven development. Supports **GZ**, **ZSTD**, **XZ** and **BZ** compression.
- Achieved **70% increase in performance**, shortening the time to create highly compressed archive tarballs.
- Has **100% test coverage** to ensure consistent behaviour such as deterministic creation of tar archives.

Core Developer/Maintainer Bunny — ⌕ https://github.com/uncomfyhalomacro/bunny

📅 July 2025
A **markdown parser library and static site generator** written in **Hare**, a systems programming language.
- **Won 1st place** with https://github.com/uncomfyhalomacro/bunny in the amateur category of Boot.dev 2025 Hackathon.

Education

Programmer/Software Developer (self-taught)

📅 2020 - present
- Learned fundamentals of **backend development** at Boot.dev **as professional development certification or course**.
- Progress and certificates at **Boot.dev**: https://www.boot.dev/u/uncomfyhalomacro.

BSc. in Biology (Microbiology) — Mindanao State University - Iligan Institute of Technology — 📍 Philippines

🔗 https://www.msuiit.edu.ph
📅 2018 - 2022
Academic Distinction: *Cum Laude* **GPA 1.593**